



# NEW FROM SOLAX

## X1-MINI G3



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0.6kW/0.7kW/1.1kW/1.5kW  
2.0kW/2.5kW/3.0kW/3.3kW/3.6kW



## Features

-  Small and compact size
-  150% oversizing and 110% overloading
-  Max. DC input 14A per string
-  Low startup voltage and wide MPPT range
-  CT/Meter compatibility
-  Built-in SPD on both AC and DC side
-  Remote upgrade and maintenance

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#### Contact Us for More Information

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## DC INPUT

|                                               |          |          |          |          |          |          |          |          |          |
|-----------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Max. PV array input power [Wp]                | 900      | 1050     | 1650     | 2250     | 3000     | 3750     | 4500     | 4950     | 5400     |
| Max. PV input voltage [V]                     | 450      | 450      | 450      | 450      | 450      | 550      | 550      | 550      | 550      |
| Startup voltage [V]                           | 50       | 50       | 50       | 50       | 50       | 70       | 70       | 70       | 70       |
| Nominal input voltage [V]                     | 360      | 360      | 360      | 360      | 360      | 360      | 360      | 360      | 360      |
| MPP tracker voltage range [V]                 | 45 ~ 430 | 45 ~ 430 | 45 ~ 430 | 50 ~ 430 | 50 ~ 430 | 55 ~ 530 | 55 ~ 530 | 55 ~ 530 | 55 ~ 530 |
| No. of MPP trackers / Strings per MPP tracker | 1/1      | 1/1      | 1/1      | 1/1      | 1/1      | 1/1      | 1/1      | 1/1      | 1/1      |
| Max. PV input current [A]                     | 14       | 14       | 14       | 14       | 14       | 14       | 14       | 14       | 14       |
| Isc PV Array Short Circuit current [A]        | 16       | 16       | 16       | 16       | 16       | 16       | 16       | 16       | 16       |

## AC OUTPUT

|                                                 |                           |      |      |      |      |      |       |      |      |
|-------------------------------------------------|---------------------------|------|------|------|------|------|-------|------|------|
| Rated AC output power [W]                       | 600                       | 700  | 1100 | 1500 | 2000 | 2500 | 3000  | 3300 | 3680 |
| Rated AC output current [A]                     | 2.61                      | 3.04 | 4.78 | 6.52 | 8.7  | 10.8 | 13.04 | 14.3 | 16   |
| Max. output apparent power [VA]                 | 660(600 for VDE4105)      | 770  | 1210 | 1650 | 2200 | 2750 | 3300  | 3300 | 3680 |
| Max. AC output current [A]                      | 2.9                       | 3.3  | 5.3  | 7.2  | 9.6  | 11.9 | 14.3  | 14.3 | 16   |
| Nominal AC voltage / AC voltage range [V]*      | 220/230/240; 180--280     |      |      |      |      |      |       |      |      |
| Nominal AC frequency / AC frequency range [Hz]* | 50/60; ±5                 |      |      |      |      |      |       |      |      |
| Power Factor range                              | 0.8 leading ~ 0.8 lagging |      |      |      |      |      |       |      |      |
| THDi (Rated power) [%]                          | <3                        |      |      |      |      |      |       |      |      |

## SYSTEM DATA

|                                          |                                       |       |       |       |       |       |       |       |       |
|------------------------------------------|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Max. efficiency [%]                      | 98                                    |       |       |       |       |       |       |       |       |
| Euro. efficiency [%]                     | 95.00                                 | 95.00 | 95.50 | 96.00 | 96.50 | 96.50 | 96.50 | 96.50 | 96.50 |
| Standby consumption [W] @Night           | 0                                     |       |       |       |       |       |       |       |       |
| Ingress protection                       | IP66                                  |       |       |       |       |       |       |       |       |
| Operating ambient temperature range [°C] | -25 ~ +60 (derating at 45)            |       |       |       |       |       |       |       |       |
| Max. operation altitude [m]              | ≤2000                                 |       |       |       |       |       |       |       |       |
| Humidity [%]                             | 0~100 (condensation)                  |       |       |       |       |       |       |       |       |
| Typical noise emission [dB]              | 30                                    |       |       |       |       |       |       |       |       |
| Storage temperature [°C]                 | -30~+70                               |       |       |       |       |       |       |       |       |
| Dimensions (WxHxD) [mm]                  | 267 x 328 x 126                       |       |       |       |       |       |       |       |       |
| Net weight [kg]                          | 6                                     | 6     | 6     | 6     | 6     | 8.3   | 8.3   | 8.3   | 8.3   |
| Cooling concept                          | Natural cooling                       |       |       |       |       |       |       |       |       |
| Communication interfaces                 | RS485 / DRM/USB, Optional: CT / Meter |       |       |       |       |       |       |       |       |
| Optional monitoring dongle               | Pocket WiFi / LAN / 4G                |       |       |       |       |       |       |       |       |
| Display                                  | 2 x LED + LCD (16 x 2) / APP          |       |       |       |       |       |       |       |       |

## PROTECTION

|                                    |     |
|------------------------------------|-----|
| Over/under voltage protection      | YES |
| DC isolation protection            | YES |
| Monitoring ground fault protection | YES |
| Grid monitoring                    | YES |
| DC injection monitoring            | YES |
| Back feed current monitoring       | YES |
| Residual current detection         | YES |
| Anti-islanding protection          | YES |
| Over temperature protection        | YES |
| SPD                                | YES |

## STANDARD

|               |                                                                                     |
|---------------|-------------------------------------------------------------------------------------|
| Safety        | EN/IEC62109-1/-2                                                                    |
| EMC           | EN61000-6-1/2/3/4; EN61000-3-2/3/11/12                                              |
| Certification | IEC61727, EN50549, G98/G99, AS 4777.2, VDE4105, CEI 0-21, RD1699, UNE 206007-1, VFR |